

IGNITION COIL WITH OPTIMIZED  
THERMAL STRESS RELAXING MEMBER

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ABSTRACT OF THE DISCLOSURE

10       An ignition coil comprises a housing, a rod-shaped  
center core 54 arranged substantially at the center  
within the housing, a thermal stress relaxing member 52  
covering the outer circumferential surface of the center  
core 54, a cylindrical spool 4 arranged on the outer  
circumferential side of the thermal relaxing member 52  
15       with a gap 9 in between and a resin insulating material  
8a with which the gap 9 is filled and which hardens. The  
thermal stress relaxing member 52 is wound around the  
center core 54 and the thickness of the thermal stress  
relaxing member 52 is set to a thickness so that the  
20       thermal stress, which is caused by the thermal  
deformation of the center core 54 and is applied to the  
resin insulating material 8a, is reduced and reaches a  
saturation value thereof.